



-1-

SEQUENCE LISTING

<110> Habener, Joel

<120> Insulinotropic Hormone and Uses Thereof

<130> 0609.1090009

<140> 09/635,679

<141> 2000-08-10

<150> 09/090,949

<151> 1998-06-05

<150> 08/749,762

<151> 1996-11-20

<150> 08/156,800

<151> 1993-11-23

<150> 07/756,215

<151> 1991-09-05

<150> 07/532,111

<151> 1990-06-01

<150> 07/148,517

<151> 1988-01-26

<150> 06/859,928

<151> 1986-05-05

<160> 3

<170> PatentIn version 3.1

<210> 1

<211> 1034

<212> DNA

<213> Artificial Sequence

<220>

<223> cDNA

<220>

<221> CDS

<222> (61)..(600)

<223>

<400> 1

aaaggagctc cacctgtcta cacctcctct cagctcagtc ccacaaggca gaataaaaaa 60

atg aag acc gtt tac atc gtg gct gga ttg ttt gta atg ctg gta caa 108
Met Lys Thr Val Tyr Ile Val Ala Gly Leu Phe Val Met Leu Val Gln
1 5 10 15

ggc agc tgg cag cat gcc cct cag gac acg gag gag aac gcc aga tca 156
Gly Ser Trp Gln His Ala Pro Gln Asp Thr Glu Glu Asn Ala Arg Ser
20 25 30

ttc cca gct tcc cag aca gaa cca ctt gaa gac cct gat cag ata aac 204
Phe Pro Ala Ser Gln Thr Glu Pro Leu Glu Asp Pro Asp Gln Ile Asn
35 40 45

gaa gac aaa cgc cat tca cag ggc aca ttc acc agt gac tac agc aaa 252
Glu Asp Lys Arg His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys
50 55 60

tac cta gac tcc cgc cgt gct caa gat ttt gtg cag tgg ttg atg aac 300
Tyr Leu Asp Ser Arg Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn
65 70 75 80

acc aag agg aac cgg aac aac att gcc aaa cgt cat gat gaa ttt gag 348
Thr Lys Arg Asn Arg Asn Asn Ile Ala Lys Arg His Asp Glu Phe Glu
85 90 95

agg cat gct gaa ggg acc ttt acc agt gat gtg agt tct tac ttg gag 396
Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu

100	105	110	
ggc cag gca gca aag gaa ttc att gct tgg ctg gtg aaa ggc cga gga Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly 115 120 125			444
agg cga gac ttc ccg gaa gaa gtc gcc ata gct gag gaa ctt ggg cgc Arg Arg Asp Phe Pro Glu Glu Val Ala Ile Ala Glu Glu Leu Gly Arg 130 135 140			492
aga cat gct gat gga tcc ttc tct gat gag atg aac acg att ctc gat Arg His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp 145 150 155 160			540
aac ctt gcc acc aga gac ttc atc aac tgg ctg att caa acc aag atc Asn Leu Ala Thr Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile 165 170 175			588
act gac aag aaa taggaatatt tcaccattca caaccatctt cacaacatct Thr Asp Lys Lys 180			640
cctgccagtc acttgggatg tacatttgag agcatatccg aagctatact gctttgcatg			700
cggacgaata catttccctt tagcgttggtg taacccaaag gttgtaaatg gaataaagtt			760
tttccagggg gttgataaaag taacaacttt acagtatgaa aatgctggat tctcaaattg			820
tctcctcggt ttgaagttac cgccctgaga ttacttttct gtggtataaa ttgtaaatta			880
tcgcagtcac gacacctgga ttacaacaac agaagacatg gtaacctggg aaccgtagtg			940
gtgaacctgg aaagagaact tcttccttga accctttgtc ataaatgcgc tcagctttca			1000
atgtatcaag aatagattta aataaatatc tcat			1034

<210> 2

<211> 180

<212> PRT

<213> Artificial Sequence

<220>

<223> cDNA

<400> 2

Met	Lys	Thr	Val	Tyr	Ile	Val	Ala	Gly	Leu	Phe	Val	Met	Leu	Val	Gln
1				5					10					15	

Gly	Ser	Trp	Gln	His	Ala	Pro	Gln	Asp	Thr	Glu	Glu	Asn	Ala	Arg	Ser
			20					25					30		

Phe Pro Ala Ser Gln Thr Glu Pro Leu Glu Asp Pro Asp Gln Ile Asn

35 40 45

Glu Asp Lys Arg His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys
50 55 60

Tyr Leu Asp Ser Arg Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn
65 70 75 80

Thr Lys Arg Asn Arg Asn Asn Ile Ala Lys Arg His Asp Glu Phe Glu
85 90 95

Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu
100 105 110

Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
115 120 125

Arg Arg Asp Phe Pro Glu Glu Val Ala Ile Ala Glu Glu Leu Gly Arg
130 135 140

Arg His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp
145 150 155 160

Asn Leu Ala Thr Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile
165 170 175

Thr Asp Lys Lys
180

<210> 3

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> insulinotropic peptide

<400> 3

His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

Gln Ala Ala Lys Glu Phe Leu Ala Trp Leu Val Lys Gly Arg
20 25 30

<210> 4

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> insulinotropic peptide

<400> 4

His	Ala	Glu	Gly	Thr	Phe	Thr	Ser	Asp	Val	Ser	Ser	Tyr	Leu	Glu	Gly
1				5					10					15	

Gln	Ala	Ala	Lys	Glu	Phe	Ile	Ala	Trp	Leu	Val	Lys	Gly	Arg
			20					25					30

SKGF_DC1:18137.1

